



Atty. Docket: 58769.000011

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of : )  
EMORINE, L., et al. ) ) Examiner: Ulm, J.  
Serial No.: 09/895,211 ) ) Group Art Unit: 1646  
Filed: July 02, 2001 ) )  
For: INTRON/EXON STRUCTURE OF THE HUMAN AND MOUSE  
BETA3-ADRENERGIC RECEPTOR GENES

RECEIVED  
AUG 14 2003  
TECH CENTER 1600/2900

INFORMATION DISCLOSURE STATEMENT

Mail Stop Issue Fee  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

In accordance with 37 C.F.R. §§ 1.56, 1.97, and 1.98, Applicants respectfully request consideration of the references listed on the attached Form PTO/SB/08A. Copies of the references listed are also enclosed.

These references are recited in the specification but do not appear to have been formally disclosed in a Form PTO/SB/08A. In order that these references may be listed on the front page of the issued patent, Applicants respectfully request that the Examiner consider the references cited on the Form PTO/SB/08A and that the Examiner indicate that the references have been considered in this application by returning a copy of the Form PTO/SB/08A with the Examiner's initials in the left column per MPEP 609.

Applicants' submission of this Information Disclosure Statement (IDS) shall not be construed as an admission that the cited references are prior art to the present invention, or that the cited references qualify as printed publications. The submission of this IDS also shall not be construed as a representation that a prior art search has been performed.



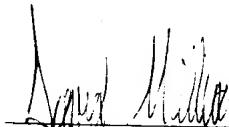
Atty. Docket: 58769.0000011

In accordance with 37 CFR § 1.97, this IDS is being filed after a first Office Action on the merits but before payment of the issue fee for the above-identified patent application. As such, this IDS is accompanied by a check in the amount of \$180.00. If any fees are necessitated by the filing of this Information Disclosure Statement, please charge the undersigned's Deposit Account No. 50-0206.

Respectfully submitted,

Dated: August 11, 2003

By:

  
\_\_\_\_\_  
Robert M. Schulman  
Registration No. 31,196

David H. Milligan  
Registration No. 42,893

HUNTON & WILLIAMS LLP  
Intellectual Property Department  
1900 K Street, N.W.  
Suite 1200  
Washington, DC 20006-1109  
(202) 955-1500 (telephone)  
(202) 778-2201 (facsimile)

RMS/DHM/cbt

RECEIVED  
AUG 14 2003  
TECH CENTER 1600/2900

O I P E  
A U B 1 1 2 0 0 3  
J C 9 8  
P A T E N T & T R A D E M A R K S  
S E R V I C E S

Please type a plus sign (+) inside this box →

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				Application Number	09/895,211
				Filing Date	July 2, 2001
				First Named Inventor	Laurent Emorine
				Group Art Unit	1646
				Examiner Name	John D. Ulm
Sheet 1		of 2	Attorney Docket Number 58769.000011		

U.S. PATENT DOCUMENTS						
Examiner Initials *	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	U1					
	U2					
	U3					

RECEIVED  
AUG 14 2003  
TECH CENTER 1600/2000

FOREIGN PATENT DOCUMENTS							
Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			

NON PATENT LITERATURE DOCUMENTS							
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					T <sup>2</sup>
	P1	ARCH, J.R.S. et al., "β-adrenergic-mediated control of thermogenesis, body composition and glucose homeostasis," in: <i>Obesity and Cachexia: Physiological Mechanisms and New Approaches to Pharmacological Control</i> (England, John Wiley & Sons Ltd, 1991), pp. 241-268.					
	P2	ARCH, J.R.S., "The brown adipocyte β-adrenoceptor," <i>Proceedings of the Nutrition Society</i> , Vol. 48 (1989), pp. 215-223.					
	P3	BIANCHETTI, A & L. MANARA, "In vitro inhibition of intestinal motility by phenylethanolaminotetralines: evidence of atypical β-adrenoceptors in rat colon," <i>Br. J. Pharmacol.</i> , Vol. 100 (1990), pp. 831-839.					
	P4	BOND, R.A. & D.E. CLARKE, "Agonist and antagonist characterization of a putative adrenoceptor with distinct pharmacological properties from the α- and β-subtypes," <i>Br. J. Pharmacol.</i> , Vol. 95 (1988), pp. 723-734.					

Examiner Signature		Date Considered
--------------------	--	-----------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, VA 22313-1450.



Please type a plus sign (+) inside this box →

PTO/SB/08A (08-00)

Approved for use through 10/31/2002 OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	09/895,211
(use as many sheets as necessary)				Filing Date	July 2, 2001
				First Named Inventor	Laurent Emorine
				Group Art Unit	1646
				Examiner Name	John D. Ulm
				Attorney Docket Number	58769.000011
Sheet	2	of	2	<span style="font-size: 2em; vertical-align: middle;">RECEIVED</span> <span style="font-size: 1.5em; vertical-align: middle;">AUG 1 2003</span> <span style="font-size: 1.2em; vertical-align: middle;">TECH CENTER 1600</span> <span style="font-size: 1.2em; vertical-align: middle;">2000</span>	

<b>NON PATENT LITERATURE DOCUMENTS</b>		
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	P5	COLEMAN, R.A. et al., "β-adrenoceptors in guinea-pig gastric fundus - are they the same as the 'atypical' β-adrenoceptors in rat adipocytes?", <i>Br. J. Pharmacol.</i> , Vol. 90: Proceedings Supplement (Mar. 1987), p. 40P.
	P6	COTECCHIA, S. et al., "Molecular cloning and expression of the cDNA for the hamster α <sub>1</sub> -adrenergic receptor," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 85 (Oct. 1988), pp. 7159-7163.
	P7	DIXON, R.A.F. et al., "Structure and function of G-protein coupled receptors," <i>Annual Reports in Medicinal Chemistry</i> (1988), pp. 221-233.
	P8	GRANNEMAN, J.G. & C.J. WHITTY, "CGP 12177A modulates brown fat adenylate cyclase activity by interacting with two distinct receptor sites," <i>The Journal of Pharmacology and Experimental Therapeutics</i> , Vol. 256, no. 2 (1991), pp. 421-425.
	P9	KOBILKA, B.K. et al., "Cloning, sequencing, and expression of the gene coding for the human platelet α <sub>2</sub> -adrenergic receptor," <i>Science</i> , Vol. 238 (Oct. 30, 1987), pp. 650-656.
	P10	KRIEF, S. et al., "Tissue distribution of β3-adrenergic receptor mRNA in man," <i>J. Clin. Invest.</i> , Vol. 91 (Jan. 1993), pp. 344-349.
	P11	STRADER, C.D. et al., "Structural basis of β-adrenergic receptor function," <i>The FASEB Journal</i> , Vol. 3 (May 1989), pp. 1825-1832.
	P12	ZAAGSMA, J. & S.R. NAHORSKI, "Is the adipocyte β-adrenoceptor a prototype for the recently cloned atypical 'β <sub>3</sub> -adrenoceptor'?" <i>TiPS</i> , Vol. 11 (Jan. 1990), pp. 3-7.
	P13	
	P14	

Examiner Signature	Date Considered
--------------------	-----------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, VA 22313-1450 Alexandria, VA 22313-1450

